

Find the Town Judge (View)

In a town, there are n people labeled from 1 to n . There is a rumor that one of these people is secretly the town judge.

If the town judge exists, then:

1. The town judge trusts nobody.
2. Everybody (except for the town judge) trusts the town judge.
3. There is exactly one person that satisfies properties **1** and **2**.

You are given an array `trust` where `trust[i] = [ai, bi]` representing that the person labeled a_i trusts the person labeled b_i .

Return the label of the town judge if the town judge exists and can be identified, or return -1 otherwise.

Example 1:

Input: $n = 2$, `trust = [[1,2]]`

Output: 2

Example 2:

Input: $n = 3$, `trust = [[1,3],[2,3]]`

Output: 3

Example 3:

Input: $n = 3$, `trust = [[1,3],[2,3],[3,1]]`

Output: -1

Constraints:

- $1 \leq n \leq 1000$
- $0 \leq \text{trust.length} \leq 10^4$
- `trust[i].length == 2`
- All the pairs of `trust` are **unique**.
- $a_i \neq b_i$
- $1 \leq a_i, b_i \leq n$